

In the claims

1-52. (Cancelled)

53. (Currently Amended) A portable battery recharge station comprising:
a charging cord having a first end that is configured to mate with a device having a secondary battery and a second end configured to mate with the portable battery recharge station, wherein the charging cord includes a programming resistor;

a supervisory circuit associated with a voltage requirement of [[a]] the secondary battery wherein the supervisory circuit determines the voltage requirement of the secondary battery based on a resistance value of the programming resistor; and

a voltage converter in communication with the supervisory circuit,
wherein when the secondary battery is in contact with the supervisory circuit, the supervisory circuit instructs the voltage converter to supply a voltage to the secondary battery in accordance with the voltage requirement.

54. (Previously Presented) The station of claim 53, further comprising a holder configured to receive the secondary battery.

55. (Previously Presented) The station of claim 53, further comprising a socket configured to receive the secondary battery.

56. (Previously Presented) The station of claim 53, wherein the voltage converter is configured to receive power from a power source, converts the power in accordance with the voltage requirement, and supplies the converted power to the secondary battery.

57. (Previously Presented) The station of claim 56, wherein the power source is an electrical outlet.

58. (Previously Presented) The station of claim 56, wherein the power source is a vehicular battery.

59. (Previously Presented) The station of claim 56, wherein the power source is one of a replaceable battery, a rechargeable battery, a renewable battery, and a renewable fuel cell.
60. (Previously Presented) The station of claim 59, wherein the replaceable battery is one of an alkaline battery, a lithium battery, and a zinc-air battery.
61. (Previously Presented) The station of claim 59, wherein the rechargeable battery is one of a NiCd battery, a NiH_2 battery, a NiMH battery, a Li-ion battery, a Li-polymer battery, a zinc-air battery, and a lead acid battery.
62. (Previously Presented) The station of claim 61, further comprising a recharger connected to the power source, wherein the recharger is adapted to receive energy from an external power source.
63. (Previously Presented) The station of claim 59, wherein the renewable fuel cell is one of a methanol fuel cell and a renewable electrolyte type cell.
64. (Previously Presented) The station of claim 63, further comprising a reservoir adapted to contain fuel of the renewable battery.
65. (Previously Presented) The station of claim 64 further comprising a gauge adapted to measure a level of the fuel.
66. (Cancelled)
67. (Currently Amended) The system of claim ~~[[66]]~~ 81, wherein the voltage converter receives power from a power source, converts the power in accordance with the voltage requirement, and supplies the converted power to the secondary battery.

68. (Previously Presented) The system of claim 67, wherein the power source is an electrical outlet.
69. (Previously Presented) The system of claim 67 wherein the power source is a vehicular battery.
70. (Previously Presented) The system of claim 67 wherein the power source is one of a replaceable battery, a rechargeable battery, a renewable battery, and a renewable fuel cell.
71. (Previously Presented) The system of claim 70, wherein the replaceable battery is one of an alkaline battery, a lithium battery and a zinc-air battery.
72. (Previously Presented) The system of claim 70, wherein the rechargeable battery is one of a NiCd battery, a NiH_2 battery, a NiMH battery, a Li-ion battery, a Li-polymer battery, a zinc-air battery, and a lead acid battery.
73. (Previously Presented) The system of claim 72, further comprising a recharger connected to the portable power source, wherein the recharger is adapted to receive power from an external power source.
74. (Previously Presented) The system of claim 72, wherein the renewable battery is one of a methanol fuel cell and a renewable electrolyte type cell.
75. (Currently Amended) ~~A method for recharging secondary batteries comprising: obtaining a voltage requirement of a secondary battery, wherein the obtaining involves a supervisory circuit in communication with the secondary battery; and instructing a voltage converter to receive power from a power source, to convert the power to meet the voltage requirement, and to supply the converted power to the secondary battery.~~ The portable battery recharge station of claim 77,

wherein the supervisory circuit instructs the voltage converter to supply a discrete voltage to each of a plurality of secondary batteries.

76. (Cancelled)

77. (Currently Amended) ~~The method of claim 75, wherein the obtaining involves a programming resistor~~ A portable battery recharge station comprising:

a charging cord having a first end that is configured to mate with a device having a secondary battery and a second end configured to mate with the portable battery recharge station, wherein further the charging cord is a device-specific charging cord and a voltage requirement of the secondary battery is determined based on the device-specific charging cord;

a supervisory circuit associated with the voltage requirement of the secondary battery; and

a voltage converter in communication with the supervisory circuit, wherein when the secondary battery is in contact with the supervisory circuit, the supervisory circuit instructs the voltage converter to supply a voltage to the secondary battery in accordance with the voltage requirement.

78. (Currently Amended) The method of claim ~~[[77]]~~ 79, wherein the programming resistor is associated with the secondary battery.

79. (Currently Amended) A method for recharging secondary batteries comprising:

obtaining a voltage requirement of a secondary battery, wherein the obtaining involves a supervisory circuit in communication with the secondary battery and ~~a The method of claim 77, wherein the programming resistor is associated with a device-specific charging cord that is connected to a device housing the secondary battery; and~~

instructing a voltage converter to receive power from a power source, to convert the power to meet the voltage requirement, and to supply the converted power to the secondary battery.

80. (Currently Amended) ~~The battery charging system of claim 66; A battery charging system comprising:~~

a charging cord having a first end that is configured to mate with a device having a secondary battery and a second end, wherein the charging cord includes a programming resistor and wherein further the a supervisory circuit determines the a voltage requirement of the secondary battery based on a resistance value of the programming resistor; and

a portable battery recharge station including a voltage converter and the supervisory circuit, the portable battery recharge station being configured to receive the second end of the charging cord, wherein when the charging cord is connected to the device and the portable battery recharge station, the supervisory circuit determines a voltage requirement of the secondary battery, and the supervisory circuit then instructs the voltage converter to supply a voltage to the secondary battery in accordance with the voltage requirement.

81. (Currently Amended) ~~The battery charging system of claim 66; A battery charging system comprising:~~

a charging cord having a first end that is configured to mate with a device having a secondary battery and a second end, wherein further the charging cord is a device-specific charging cord and the voltage requirement of the secondary battery is determined based on the device-specific charging cord; and

a portable battery recharge station having a voltage converter and a supervisory circuit, the portable battery recharge station being configured to receive the second end of the charging cord, wherein when the charging cord is connected to the device and the portable battery recharge station, the supervisory circuit determines a voltage requirement

of the secondary battery, and the supervisory circuit then instructs the voltage converter to supply a voltage to the secondary battery in accordance with the voltage requirement.

82. (New) The portable battery recharge station of claim 75, wherein the supervisory circuit instructs the voltage converter to supply the discrete voltage to each of the plurality of secondary batteries concurrently.

83. (New) The portable battery recharge station of claim 77 further comprising a portable power source supplying an output voltage, wherein the supervisory circuit instructs the voltage converter to supply the voltage to the secondary battery that is one of higher, equal to, or lower than the output voltage.

84. (New) The portable battery recharge station of claim 82 further comprising a portable power source supplying an output voltage, wherein the supervisory circuit instructs the voltage converter to supply the voltage to each of a plurality of secondary batteries that is one of higher, equal to, or lower than the output voltage.

85. (New) The portable battery recharge station of claim 77, wherein the supervisory circuit instructs the voltage converter to supply an AC voltage to the secondary battery.

86. (New) The method of claim 78, wherein the supervisory circuit determines the voltage requirement by employing a lookup table.

87. (New) The method of claim 78, wherein the supervisory circuit determines the voltage requirement by employing an equation.

88. (New) The system of claim 80 further comprising a portable power source, wherein the portable power source provides power to the voltage converter.

89. (New) The system of claim 88 wherein the power source is one of a methanol fuel cell and a renewable electrolyte type cell wherein the cell fuel is stored in a reservoir.

90. (New) The system of claim 89, wherein the level in the reservoir is indicated by one of a sight glass, a mechanical measuring apparatus and an electronic measuring apparatus.

91. (New) The system of claim 90, wherein the electronic measuring apparatus provides one of a meter readout and a light display.